15 September 2002

ELSEVIER

Optics Communications 210 (2002) 401–406

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Author index to volume 210

Affatigato, M., see Xi, Y. 210 (2002) 367
Allegrini, M., see Patanè, S. 210 (2002) 37
Andreozzi, L., see Patanè, S. 210 (2002) 37
Andrés, M.V., see Russo, N.A. 210 (2002) 361
Andrés, M.V., see Mora, J. 210 (2002) 51
Andrianov, K.Yu., see Chin, S.L. 210 (2002) 329
Arena, A., see Patanè, S. 210 (2002) 37
Arnold, M., see Hodgkinson, I.J. 210 (2002) 201
Artigas, D. and D.T. Reid, High idler conversion in femtosecond optical parametric oscillators 210 (2002) 113
Aytaç, T. and B. Barshan, Differentiation and localization of targets using infrared sensors 210 (2002) 25

Balmer, J.E., see Siegel, Ch. 210 (2002) 305
Band, Y.B., see Trippenbach, M. 210 (2002) 385
Barshan, B., see Aytaç, T. 210 (2002) 25
Bermudez G., J.C., V.J. Pinto-Robledo, A.V. Kir'yanov and M.J. Damzen, The thermo-lensing effect in a grazing incidence, diode-side-pumped Nd:YVO_4 laser 210 (2002) 75
Bhowmik, A.K., On photoelastic stress measurements in optically absorbing medium 210 (2002) 165
Błachowicz, T., Brillouin light scattering on the two quasi-transverse waves in rotated sample of the $LiNbO_3$ crystal 210 (2002) 213
Boone, S., see DiBerardino, D. 210 (2002) 233
Bouchal, Z., Resistance of nondiffracting vortex beam against amplitude and phase perturbations 210 (2002) 155
Braud, M., see Siegel, Ch. 210 (2002) 305
Bryant, G.W., see Trippenbach, M. 210 (2002) 385

Cardoso, G.C. and J.W.R. Tabosa, Saturated lineshapes and high-order susceptibilities of cold cesium atoms observed via a transferred population grating 210 (2002) 271
Cassan, E., see Vivien, L. 210 (2002) 43
Chin, S.L., S. Petit, W. Liu, A. Iwasaki, M.-C. Nadeau, V.P. Kandidov, O.G. Kosareva and K.Yu. Andrianov, Interference of transverse rings in multifilamentation of powerful femtosecond laser pulses in air 210 (2002) 329
Chiou, J.C., see Lin, W.T. 210 (2002) 149
Chou, B.C.S., see Lin, W.T. 210 (2002) 149
Chung, W.H., H.Y. Tam, M.S. Demokan, P.K.A. Wai and C. Lu, Wavelength and power monitoring of DWDM systems using scanning F–P filter calibrated with a F–P laser 210 (2002) 219

PII: S0030-4018(02)01871-0

Cruz, J.L., see Russo, N.A. 210 (2002) 361
Cruz, J.L., see Mora, J. 210 (2002) 51

Damzen, M.J., see Bermudez G., J.C. 210 (2002) 75
Demokan, M.S., see Chung, W.H. 210 (2002) 219
Di Teodoro, F., see Kliner, D.A.V. 210 (2002) 393
DiBerardino, D., R.J. Rafac, S. Boone, V.P. Gerginov and C.E. Tanner, Construction of fiber-optic bundle light-collection systems and calculations of collection efficiency 210 (2002) 233
Dietler, G., see Sekatskii, S.K. 210 (2002) 251
Díez, A., see Mora, J. 210 (2002) 51
Dorenbos, P., see Vink, A.P. 210 (2002) 277
Duchowicz, R., see Russo, N.A. 210 (2002) 361
Dumont, B., see Vivien, L. 210 (2002) 43
Dvoryanchikov, A.G., I.A. Kartashov and A.V. Shishaev, Spectropolarimetric measurement of populations in degenerated atomic systems with metastable lower level during optical pumping in intense laser fields 210 (2002) 67

Eichenseer, M., see Nevsky, A.Yu. 210 (2002) 91
Eriksson, S., Dependence of the experimental stability diagram of an optically injected semiconductor laser on the laser current 210 (2002) 343

Faetti, M., see Patanè, S. 210 (2002) 37
Fan, C., see Wang, S. 210 (2002) 355
Fechtchenko, R.M., A.V. Vinogradov and D.L. Voronov, Optical properties of sliced multilayer gratings 210 (2002) 179
Feller, S., see Xi, Y. 210 (2002) 367
Fibich, G., see Trippenbach, M. 210 (2002) 385
Fujimoto, T., see Ohta, Y. 210 (2002) 245

Gallagher, A., see Protasenko, V.V. 210 (2002) 11
Gerginov, V.P., see DiBerardino, D. 210 (2002) 233
Giordano, M., see Patanè, S. 210 (2002) 37
Gouesbet, G., see Han, Y.P. 210 (2002) 1
Gréhan, G., see Han, Y.P. 210 (2002) 1
Gu, H. and L. Qi, Transversely pumped laser using F_3^+ color centers in LiF crystal at room temperature 210 (2002) 299

Han, Y.P., L. Méès, K.F. Ren, G. Gouesbet, S.Z. Wu and G. Gréhan, Scattering of light by spheroids: the far field case 210 (2002) 1
Hand, D.P., see Rodden, W.S.O. 210 (2002) 319
Hasuo, M., see Ohta, Y. 210 (2002) 245
Hirakawa, Y., see Losev, L.L. 210 (2002) 399
Hlubina, P., Spectral-domain intermodal interference under general measurement conditions 210 (2002) 225
Hodgkinson, I.J., Q.h. Wu, M. Arnold, M.W. McCall and A. Lakhtakia, Chiral mirror and optical resonator designs for circularly polarized light: suppression of cross-polarized reflectances and transmittances 210 (2002) 201
Hou, Z., see Xi, Y. 210 (2002) 367

Huang, M.J., A quasi-one-frame phase-unwrapping algorithm through zone-switching and zone-shifting hybrid implementation 210 (2002) 187

Imasaka, T., see Losev, L.L. 210 (2002) 399
Iwasaki, A., see Chin, S.L. 210 (2002) 329

Jones, J.D.C., see Rodden, W.S.O. 210 (2002) 319

Kanayama, T., see Poborchii, V.V. 210 (2002) 285
Kandidov, V.P., see Chin, S.L. 210 (2002) 329
Karásek, M. and M. Menif, Protection of surviving channels in pump-controlled gain-locked Raman fibre amplifier 210 (2002) 57
Kartashov, I.A., see Dvoryanchikov, A.G. 210 (2002) 67
Kiessling, A., see Matusevich, V. 210 (2002) 107
Kilin, S.Y., see Shatokhin, V.N. 210 (2002) 291
Kir'yanov, A.V., see Bermudez G., J.C. 210 (2002) 75
Kliner, D.A.V., F. Di Teodoro, J.P. Koplow, S.W. Moore and A.V. Smith, Efficient second, third, fourth, and fifth harmonic generation of a Yb-doped fiber amplifier 210 (2002) 393
Kong, M.G., see Zhong, X. 210 (2002) 83
Koplow, J.P., see Kliner, D.A.V. 210 (2002) 393
Kosareva, O.G., see Chin, S.L. 210 (2002) 329
Koster, A., see Vivien, L. 210 (2002) 43
Kowarschik, R., see Matusevich, V. 210 (2002) 107
Kruk, P., see Trippenbach, M. 210 (2002) 385
Kudesia, S.S., see Rodden, W.S.O. 210 (2002) 319
Kul'minskii, A.M., see Loiko, Yu.V. 210 (2002) 121
Kuno, M., see Protasenko, V.V. 210 (2002) 11

Lakhtakia, A., see Hodgkinson, I.J. 210 (2002) 201
Lardenois, S., see Vivien, L. 210 (2002) 43
Laval, S., see Vivien, L. 210 (2002) 43
Li, L., see Xu, Z. 210 (2002) 375
Li, Z., see Xu, Z. 210 (2002) 375
Lin, W.T., J.C. Chiou and B.C.S. Chou, A photonic device compatible process in fabricating tunable Fabry–Perot filter 210 (2002) 149
Liu, L., see Xi, Y. 210 (2002) 367
Liu, W., see Chin, S.L. 210 (2002) 329
Liu, Y., see Yang, J. 210 (2002) 313
Loiko, Yu.V., A.M. Kul'minskii and A.P. Voitovich, Impact of the vectorial degrees of freedom on the nonlinear behavior of class B lasers 210 (2002) 121
Losev, L.L., Y. Yoshimura, Y. Hirakawa and T. Imasaka, Erratum to: The influence of beam diffraction on multifrequency parametric Raman generation [Opt. Commun. 204 (2002) 379–383] 210 (2002) 399
Lu, C., see Chung, W.H. 210 (2002) 219

Matusevich, V., A. Kiessling, E. Weidner and R. Kowarschik, Ring self-pumped phase-conjugate mirror with a photorefractive $Ba_{0.77}Ca_{0.23}TiO_3$ crystal as an active medium 210 (2002) 107

Mayer, S.K., N.S. Minarik, M.H. Shroyer and D.H. McIntyre, Zeeman-tuned slowing of rubidium using σ^+ and σ^- polarized light 210 (2002) 259
McCall, M.W., see Hodgkinson, I.J. 210 (2002) 201
McIntyre, D.H., see Mayer, S.K. 210 (2002) 259
Mecozzi, A., see Mørk, J. 210 (2002) 173
Méès, L., see Han, Y.P. 210 (2002) 1
Menif, M., see Karásek, M. 210 (2002) 57
Minarik, N.S., see Mayer, S.K. 210 (2002) 259
Moore, S.W., see Kliner, D.A.V. 210 (2002) 393
Mora, J., see Russo, N.A. 210 (2002) 361
Mora, J., J. Villatoro, A. Díez, J.L. Cruz and M.V. Andrés, Tunable chirp in Bragg gratings written in tapered core fibers 210 (2002) 51
Mørk, J. and A. Mecozzi, Dispersion-induced nonlinearities in semiconductors 210 (2002) 173

Nadeau, M.-C., see Chin, S.L. 210 (2002) 329
Nesbitt, D.J., see Protasenko, V.V. 210 (2002) 11
Nevsky, A.Yu., M. Eichenseer, J. von Zanthier and H. Walther, A Nd:YAG Laser with short-term frequency stability at the Hertz-level 210 (2002) 91
Nilsen, J., see Siegel, Ch. 210 (2002) 305

Ohta, Y., M. Hasuo and T. Fujimoto, Non-Maxwellian anisotropic velocity distribution of metastable argon atoms in a thin discharge cell 210 (2002) 245

Patanè, S., A. Arena, M. Allegrini, L. Andreozzi, M. Faetti and M. Giordano, Near-field optical writing on azopolymethacrylate spin-coated films 210 (2002) 37
Petit, S., see Chin, S.L. 210 (2002) 329
Pinto-Robledo, V.J., see Bermudez G., J.C. 210 (2002) 75
Poborchii, V.V., T. Tada and T. Kanayama, Si pillar photonic crystal slab with linear defects: transmittance and waveguide properties 210 (2002) 285
Protasenko, V.V., M. Kuno, A. Gallagher and D.J. Nesbitt, Fluorescence of single ZnS overcoated CdSe quantum dots studied by apertureless near-field scanning optical microscopy 210 (2002) 11

Qi, L., see Gu, H. 210 (2002) 299

Rafac, R.J., see DiBerardino, D. 210 (2002) 233
Reid, D.T., see Artigas, D. 210 (2002) 113
Ren, K.F., see Han, Y.P. 210 (2002) 1
Rodden, W.S.O., S.S. Kudesia, D.P. Hand and J.D.C. Jones, A comprehensive study of the long pulse Nd:YAG laser drilling of multi-layer carbon fibre composites 210 (2002) 319
Russo, N.A., R. Duchowicz, J. Mora, J.L. Cruz and M.V. Andrés, High-efficiency Q-switched erbium fiber laser using a Bragg grating-based modulator 210 (2002) 361

Sekatskii, S.K. and G. Dietler, Simultaneous trapping and guiding of cold ions and electrons without externally applied fields 210 (2002) 251
Shatokhin, V.N. and S.Y. Kilin, Atomic state reduction and energy balance relation in spectrally resolved resonance fluorescence 210 (2002) 291
She, W.L., see Wang, X.S. 210 (2002) 101

Shishaev, A.V., see Dvoryanchikov, A.G. 210 (2002) 67
Shroyer, M.H., see Mayer, S.K. 210 (2002) 259
Siegel, Ch., M. Braud, J.E. Balmer and J. Nilsen, Near-field spatial imaging of the Ni-like palladium soft-X-ray laser 210 (2002) 305
Smith, A.V., see Kliner, D.A.V. 210 (2002) 393

Tabosa, J.W.R., see Cardoso, G.C. 210 (2002) 271
Tada, T., see Poborchii, V.V. 210 (2002) 285
Tam, H.Y., see Chung, W.H. 210 (2002) 219
Tanner, C.E., see DiBerardino, D. 210 (2002) 233
Trippenbach, M., W. Wasilewski, P. Kruk, G.W. Bryant, G. Fibich and Y.B. Band, An improved nonlinear optical pulse propagation equation 210 (2002) 385

van der Kolk, E., see Vink, A.P. 210 (2002) 277
van Eijk, C.W.E., see Vink, A.P. 210 (2002) 277
Villatoro, J., see Mora, J. 210 (2002) 51
Vink, A.P., E. van der Kolk, P. Dorenbos and C.W.E. van Eijk, Luminescent properties of Ce^{3+} in MSO_4 (M: Ca, Sr and Ba) and the effect of Na^+ co-doping 210 (2002) 277
Vinogradov, A.V., see Fechtchenko, R.M. 210 (2002) 179
Vivien, L., S. Laval, B. Dumont, S. Lardenois, A. Koster and E. Cassan, Polarization-independent single-mode rib waveguides on silicon-on-insulator for telecommunication wavelengths 210 (2002) 43
Voitovich, A.P., see Loiko, Yu.V. 210 (2002) 121
von Zanthier, J., see Nevsky, A.Yu. 210 (2002) 91
Voronov, D.L., see Fechtchenko, R.M. 210 (2002) 179

Wai, P.K.A., see Chung, W.H. 210 (2002) 219
Walther, H., see Nevsky, A.Yu. 210 (2002) 91
Wang, S. and C. Fan, Noise performance analysis of bi-directionally pumped distributed fiber Raman amplifiers with consideration of fiber nonlinearity and its impact on EDFA output OSNR 210 (2002) 355
Wang, X.S. and W.L. She, Photovoltaic spatial solitons affected by a resistor in the external circuit 210 (2002) 101
Wang, W., see Xi, Y. 210 (2002) 367
Wasilewski, W., see Trippenbach, M. 210 (2002) 385
Weidner, E., see Matusevich, V. 210 (2002) 107
Wu, S.Z., see Han, Y.P. 210 (2002) 1
Wu, Q.h., see Hodgkinson, I.J. 210 (2002) 201

Xi, Y., Z. Xu, Z. Hou, L. Liu, L. Xu, W. Wang, M. Affatigato and S. Feller, Second-order optical nonlinearity in bulk PbO/B_2O_3 glass 210 (2002) 367
Xu, Z., L. Li, Z. Li and G. Zhou, Soliton interaction under the influence of higher-order effects 210 (2002) 375
Xu, L., see Xi, Y. 210 (2002) 367
Xu, Z., see Xi, Y. 210 (2002) 367

Yang, J., J. Yao, K. Zhou and Y. Liu, Wideband wavelength tunable fiber ring laser with flattened output power spectrum 210 (2002) 313

Yao, J., see Yang, J. 210 (2002) 313
Yoshimura, Y., see Losev, L.L. 210 (2002) 399

Zhong, X. and M.G. Kong, Energy spread effects in second harmonic waveguide FELs 210 (2002) 83
Zhou, G., see Xu, Z. 210 (2002) 375
Zhou, K., see Yang, J. 210 (2002) 313

ELSEVIER

15 September 2002

Optics Communications 210 (2002) 407–410

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 210

Propagation and scattering

Y.P. Han, L. Méès, K.F. Ren, G. Gouesbet, S.Z. Wu and G. Gréhan, Scattering of light by spheroids: the far field case 1

V.V. Protasenko, M. Kuno, A. Gallagher and D.J. Nesbitt, Fluorescence of single ZnS overcoated CdSe quantum dots studied by apertureless near-field scanning optical microscopy 11

W.T. Lin, J.C. Chiou and B.C.S. Chou, A photonic device compatible process in fabricating tunable Fabry–Perot filter 149

Z. Bouchal, Resistance of nondiffracting vortex beam against amplitude and phase perturbations 155

A.K. Bhowmik, On photoelastic stress measurements in optically absorbing medium 165

J. Mørk and A. Mecozzi, Dispersion-induced nonlinearities in semiconductors 173

R.M. Fechtchenko, A.V. Vinogradov and D.L. Voronov, Optical properties of sliced multilayer gratings 179

M.J. Huang, A quasi-one-frame phase-unwrapping algorithm through zone-switching and zone-shifting hybrid implementation 187

I.J. Hodgkinson, Q.h. Wu, M. Arnold, M.W. McCall and A. Lakhtakia, Chiral mirror and optical resonator designs for circularly polarized light: suppression of cross-polarized reflectances and transmittances 201

T. Błachowicz, Brillouin light scattering on the two quasi-transverse waves in rotated sample of the $LiNbO_3$ crystal 213

Optical information, image formation and analysis, optical computing

T. Aytaç and B. Barshan, Differentiation and localization of targets using infrared sensors 25

S. Patanè, A. Arena, M. Allegrini, L. Andreozzi, M. Faetti and M. Giordano, Near-field optical writing on azo-polymethacrylate spin-coated films 37

Optical communications

L. Vivien, S. Laval, B. Dumont, S. Lardenois, A. Koster and E. Cassan, Polarization-independent single-mode rib waveguides on silicon-on-insulator for telecommunication wavelengths 43

PII: S0030-4018(02)01872-2

J. Mora, J. Villatoro, A. Díez, J.L. Cruz and M.V. Andrés, Tunable chirp in Bragg gratings written in tapered core fibers 51

M. Karásek and M. Menif, Protection of surviving channels in pump-controlled gain-locked Raman fibre amplifier 57

W.H. Chung, H.Y. Tam, M.S. Demokan, P.K.A. Wai and C. Lu, Wavelength and power monitoring of DWDM systems using scanning F–P filter calibrated with a F–P laser 219

P. Hlubina, Spectral-domain intermodal interference under general measurement conditions 225

Atomic and molecular physics

A.G. Dvoryanchikov, I.A. Kartashov and A.V. Shishaev, Spectropolarimetric measurement of populations in degenerated atomic systems with metastable lower level during optical pumping in intense laser fields 67

D. DiBerardino, R.J. Rafac, S. Boone, V.P. Gerginov and C.E. Tanner, Construction of fiber-optic bundle light-collection systems and calculations of collection efficiency 233

Y. Ohta, M. Hasuo and T. Fujimoto, Non-Maxwellian anisotropic velocity distribution of metastable argon atoms in a thin discharge cell 245

S.K. Sekatskii and G. Dietler, Simultaneous trapping and guiding of cold ions and electrons without externally applied fields 251

S.K. Mayer, N.S. Minarik, M.H. Shroyer and D.H. McIntyre, Zeeman-tuned slowing of rubidium using σ^+ and σ^- polarized light 259

G.C. Cardoso and J.W.R. Tabosa, Saturated lineshapes and high-order susceptibilities of cold cesium atoms observed via a transferred population grating 271

Condensed matter

A.P. Vink, E. van der Kolk, P. Dorenbos and C.W.E. van Eijk, Luminescent properties of Ce^{3+} in MSO_4 (M: Ca, Sr and Ba) and the effect of Na^+ co-doping 277

V.V. Poborchii, T. Tada and T. Kanayama, Si pillar photonic crystal slab with linear defects: transmittance and waveguide properties 285

Quantum optics

V.N. Shatokhin and S.Y. Kilin, Atomic state reduction and energy balance relation in spectrally resolved resonance fluorescence 291

Laser physics and laser sources

J.C. Bermudez G., V.J. Pinto-Robledo, A.V. Kir'yanov and M.J. Damzen, The thermo-lensing effect in a grazing incidence, diode-side-pumped Nd:YVO_4 laser 75

X. Zhong and M.G. Kong, Energy spread effects in second harmonic waveguide FELs 83

A.Yu. Nevsky, M. Eichenseer, J. von Zanthier and H. Walther, A Nd:YAG Laser with short-term frequency stability at the Hertz-level 91

H. Gu and L. Qi, Transversely pumped laser using F_3^+ color centers in LiF crystal at room temperature 299

Ch. Siegel, M. Braud, J.E. Balmer and J. Nilsen, Near-field spatial imaging of the Ni-like palladium soft-X-ray laser 305

J. Yang, J. Yao, K. Zhou and Y. Liu, Wideband wavelength tunable fiber ring laser with flattened output power spectrum 313

W.S.O. Rodden, S.S. Kudesia, D.P. Hand and J.D.C. Jones, A comprehensive study of the long pulse Nd:YAG laser drilling of multi-layer carbon fibre composites 319

S.L. Chin, S. Petit, W. Liu, A. Iwasaki, M.-C. Nadeau, V.P. Kandidov, O.G. Kosareva and K.Yu. Andrianov, Interference of transverse rings in multifilamentation of powerful femtosecond laser pulses in air 329

S. Eriksson, Dependence of the experimental stability diagram of an optically injected semiconductor laser on the laser current 343

S. Wang and C. Fan, Noise performance analysis of bi-directionally pumped distributed fiber Raman amplifiers with consideration of fiber nonlinearity and its impact on EDFA output OSNR 355

N.A. Russo, R. Duchowicz, J. Mora, J.L. Cruz and M.V. Andrés, High-efficiency Q-switched erbium fiber laser using a Bragg grating-based modulator 361

Nonlinear optics

X.S. Wang and W.L. She, Photovoltaic spatial solitons affected by a resistor in the external circuit 101

V. Matusevich, A. Kiessling, E. Weidner and R. Kowarschik, Ring self-pumped phase-conjugate mirror with a photorefractive $Ba_{0.77}Ca_{0.23}TiO_3$ crystal as an active medium 107

D. Artigas and D.T. Reid, High idler conversion in femtosecond optical parametric oscillators 113

Yu.V. Loiko, A.M. Kul'minskii and A.P. Voitovich, Impact of the vectorial degrees of freedom on the nonlinear behavior of class B lasers 121

Y. Xi, Z. Xu, Z. Hou, L. Liu, L. Xu, W. Wang, M. Affatigato and S. Feller, Second-order optical nonlinearity in bulk PbO/B_2O_3 glass 367

Z. Xu, L. Li, Z. Li and G. Zhou, Soliton interaction under the influence of higher-order effects 375

M. Trippenbach, W. Wasilewski, P. Kruk, G.W. Bryant, G. Fibich and Y.B. Band, An improved nonlinear optical pulse propagation equation 385

D.A.V. Kliner, F. Di Teodoro, J.P. Koplow, S.W. Moore and A.V. Smith, Efficient second, third, fourth, and fifth harmonic generation of a Yb-doped fiber amplifier 393

Erratum

L.L. Losev, Y. Yoshimura, Y. Hirakawa and T. Imasaka, Erratum to: The influence of beam diffraction on multifrequency parametric Raman generation [Opt. Commun. 204 (2002) 379–383] 399